



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

PERMIT TO OPERATE

B000255

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: SEPTEMBER 2025

OWNER OF OPERATOR (Co.#22)

BNSF Railway Company
740 East Carnegie Drive
San Bernardino, CA 92408

EQUIPMENT LOCATION (Fac.#236)

BNSF Railway Co - Barstow
200 North Avenue H
Barstow, CA 92311

Description:

LOCOMOTIVE SANDING TANK STORAGE & FILLING SYSTEM consisting of: Locomotive sanding tank storage & filling system. Silos are pneumatically loaded by truck. Silos are equipped with auto shut off so tanks/silos cannot be overfilled. Facility elevation is 2154 feet above sea level.

EQUIPMENT

Capacity	Equipment Description
53	Elevated Gantries, two (2) @ 26.5 HP each
0	Sand Silos, two (2); 33,000 total volume w/filter system in the silos

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rules 204 and 1303]

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

Fee Schedule: 1 (b) Rating: 53bhp SIC: 4013 SCC: 30502501 Location/UTM(Km): 493E/3861N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

BNSF Railway Company
740 East Carnegie Dr

San Bernardino, CA 92408-3571

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

[District Rules 204 and 1303]

2.The integral bin vents for these sand storage Silos must be fully functional and properly operating whenever the Silos are being unloaded or loaded.

[District Rules 1302 and 1520]

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[District Rules 1302 and 1520]

3.Visible emissions from this equipment shall not exceed an opacity equal to, or greater than, twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor [District Rule 401]. This equipment shall not discharge air contaminants or materials constituting a nuisance to any considerable number of persons or to the public [District Rule 402]. Roadways, work areas and stockpiles shall be kept sufficiently moist to control fugitive dust, and no visible emissions shall extend beyond the property line of the emission source [District Rule 403]. Equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance with this condition

[District Rules 401, 402, 403, and 1302(C)(2)(a)]

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[District Rules 401, 402, 403, and 1302(C)(2)(a)]

4.The owner/operator will periodically monitor opacity from fugitive emission points according to the following methodology:

a. The owner or operator must conduct a monthly 6-minute visible emissions test on each transfer and drop point in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.

b. If no visible emissions are observed in six consecutive monthly tests for any transfer or drop point, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that transfer or drop point. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that transfer or drop point on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

c. If no visible emissions are observed during two consecutive semi-annual test for any transfer or drop point, the owner or operator may decrease the frequency of testing from semi-annually to annually for that transfer or drop point. If visible emissions are observed during any annual test, the owner or operator must resume testing of that transfer or drop point on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

[District Rules 401, 402, 403, and 1302(C)(2)(a)]

In the event that opacity is observed during the USEPA Method 22, the owner/operator must do one of the following:

a. Conduct a USEPA Method 9 to determine compliance with the opacity limit this condition. If the opacity limit of this condition is not violated, the owner/operator must ensure that all equipment and controls are operating correctly, but operations are not required to be shut down. If the opacity limit of condition #4 is violated the owner/operator must adhere to option 'b.' below.

b. Shut down the affected equipment and take corrective action to preclude any further emissions. Upon restarting the affected equipment, the owner/operator must conduct a USEPA Method 22 and/or Method 9 to demonstrate that the corrective action taken was sufficient. Equipment breakdowns resulting in violation and/or shutdown shall be reported to the District in accordance with District Rule 430.

[District Rules 403 and 430]

4.The owner/operator will periodically monitor opacity from fugitive emission points according to the following methodology:

a. The owner or operator must conduct a monthly 6-minute visible emissions test on each transfer and drop point in accordance with USEPA Method 22. The test must be conducted while the affected source is in operation.

b. If no visible emissions are observed in six consecutive monthly tests for any transfer or drop point, the owner or operator may decrease the frequency of testing from monthly to semi-annually for that transfer or drop point. If visible emissions are observed during any semi-annual test, the owner or operator must resume testing of that transfer or drop point on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

c. If no visible emissions are observed during two consecutive semi-annual test for any transfer or drop point, the owner or operator may

decrease the frequency of testing from semi-annually to annually for that transfer or drop point. If visible emissions are observed during any annual test, the owner or operator must resume testing of that transfer or drop point on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

[District Rules 401, 402, 403, and 1302(C)(2)(a)]

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- b. Shut down the affected equipment and take corrective action to preclude any further emissions. Upon restarting the affected equipment, the owner/operator must conduct a USEPA Method 22 and/or Method 9 to demonstrate that the corrective action taken was sufficient. Equipment breakdowns resulting in violation and/or shutdown shall be reported to the District in accordance with District Rule 430.

[District Rules 403 and 430]

5.The owner/operator shall conduct quarterly inspections of the bags, the bag suspension system, and the door seals to ensure they are functioning properly.

[District Rule 1302]

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[District Rule 1302]

6.The owner/operator must maintain an operations log for this equipment. This log shall be maintained current, kept for a total of five (5) years and be provided to authorized personnel upon request. The log shall contain the following at a minimum:

- a. Dates and results of all opacity checks as required by Condition #4;
- c. Results of all Quarterly system inspections as required by Condition #5; and
- d. Times and durations of malfunctions, a description of each malfunction, and the corrective action taken for each malfunction.

[District Rules 401 and 1302]

6.The owner/operator must maintain an operations log for this equipment. This log shall be maintained current, kept for a total of five (5) years and be provided to authorized personnel upon request. The log shall contain the following at a minimum:

- a. Dates and results of all opacity checks as required by Condition #4;
- c. Results of all Quarterly system inspections as required by Condition #5; and
- d. Times and durations of malfunctions, a description of each malfunction, and the corrective action taken for each malfunction.

[District Rules 401 and 1302]

7.A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

7.A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b); H&S Code 39607 & 44341-44342, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]